



EXPLOSIVES SIMULATION DEVICE, DEVICE 3H14

TRAINING CATEGORY:

ARMAMENT (Loading and Handling) (Misc)

ORIGINATING AGENCY:

NAVTRASYSSEN

SECURITY CLASSIFICATION:

Device 3H14 is unclassified.

FUNCTIONAL DESCRIPTION:

The Explosives Simulation Device 3H14, is an experimental model developed as an adjunct to the Amphibious Assault Teacher and Evaluator, Device 16F1 and other amphibious trainers which require explosives simulation and will be a replacement for the existing, remotely controlled, electrically fired squibs and black powder systems presently used.

The system will be a manually-operated, remotely controlled type employing light, sound, and smoke to simulate the following types of explosive actions: (a) Underwater Demolition Team beach clearing; (b) Shore bombardment by naval vessels; (c) Mines (two locations); (d) Effects of shore bombardment; (e) Aerial bombing.

Simulation will provide for gunfire emanating from two (2) existing cruiser models and an aggregate of fifty (50) other explosions or detonation points of the types listed above.

Individual simulators of the same or related types will be interchangeable and are designed for insertion through holes drilled in the model terrain surface. Gunfire simulators are designed to fit into or attach to the hulls of the firing ships. Mine explosion simulators enable impact disturbance of small models when placed over or adjacent to the simulators.

A control console provides pushbutton type controls arranged to enable immediate response of gunfire and explosive effects called for by script cues without the need or resetting or otherwise reservicing the simulators during a training demonstration.

DIRECTORY OF NAVAL TRAINING DEVICES

The device will be used with existing amphibious trainers to train U.S. Navy, and Marine Corps personnel in amphibious warfare and to demonstrate amphibious assault doctrine to military and civil groups. Major stress will be on the Ship-to-Shore phase of a regimental sized landing force and pre D-Day operations.

EQUIPMENT SUPPLIED:

One (1) Explosives Simulation Device 3H14, consists of:

Fifty (50) Simulators
One (1) Control Console

POWER REQUIREMENTS:

110 VAC, 60 CYC.

CONTRACT IDENTIFICATION:

Manufactured by Missouri Research Laboratory, St. Louis, MO under NAVTRASYSSEN Contract No. N61339-1555.

LOCAL STOCK NUMBER:

6910-LL-C00-1259